PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO						
INFORMATION DISCLOSURE						
STATEMENT BY APPLICANT						

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	Complete if Known					
	Application Number	10/559,925				
	Filing Date	May 02, 2006				
	First Named Inventor	YACOBY-ZEEVI Oron et al				
	Art Unit	1644				
	Examiner Name	DIBRINO, MARIANNE NMN				
Ī	Attorney Docket Number	30337				

Sheet		1	of	8	Attorney Docket Number	30337	
			U.S	. PATENT	DOCUMENTS		
Examiner Initials*	Cite No. 1	Document Number	Public	cation Date MM-YYYY	Name of Patentee or Applicant of Cited Documen	Pages, Columns, I Relevant Passages	or Relevan
		Number-Kind Code <sup>2 (f known)</sup>				Figures Ap	pear
/M.D./	1	5,061,689	29-Oct	-1991	Alvarez		
/M.D./	2	5,362,641	08-Nov		Fuks et al.		
/M.D./	3	6,946,131	20-Sep	-2005	Peretz et al.		
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 First Named Inventor
 YACOBY-ZEEVI Oron et al

 Art Unit
 1644

 Examiner Name
 DIBRINO, MARIANNE NMN

Examiner Initials*   Cite     Initials*   No.     /M.D./   4	EP 1  BE 2  AU 7  WO	Foreign Patent Doc ry Code <sup>3</sup> Number <sup>4</sup> Kine 073682 819129 54228 02/35350	uments	Publicat DD-MMP ) 31-May	ion Date M-YYYY 7-2006	Name of Patentee Applicant of Cited Do Pecker et al.		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures	Т
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7 8 9 10 11 12	WO	02/35350		23-Nov		Pecker et al.			+
8 9 10 11 12	WO			02-May		Hadzikadic et al.	-		+
9 10 11 12		32/00719		27-May		Podell et al.	-		+
10 11 12		93/18745		30-Sep-		Livingston	-		+
11 12		99/11798		11-Mar		Pecker et al.	-		+
12		97/23345		03-Jul-		Sweetlove et al.	-		+
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Application Number

#### INFORMATION DISCLOSURE Filing Date May 02, 2006 STATEMENT BY APPLICANT First Named Inventor YACOBY-ZEEVI Oron et al. Group Art Unit 1644 (use as many sheets as necessary) Examiner Name DIBRINO, MARIANNE NMN Attorney Docket Number Sheet Of 8 OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner Cite item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), No.1 $T^2$ Initials publisher, city and/or country where published. 14 Communication Dated 01 October 2001 From the European Patent Office Re.: /M.D./ Application No. 99921513.0. Communication Dated 09 August 2006 From the European Patent Office Re.: 15 Application No. 04001481 3

		Application No. 04001481.3.					
	16	Communication Dated 09 August 2006 From the European Patent Office Re.:					
		Application No. 04001482.1.					
	17	Communication Dated 11 May 2005 From the European Patent Office Re.:					
		Application No. 00907262.0.					
	18	Communication Dated 16 May 2001 From the European Patent Office Re.:					
		Application No. 98943469.1.					
	19	Communication Dated 18 May 2006 From the European Patent Office Re.:					
		Application No. 01963360.1.					
	20	Communication Dated 21 December 2004 From the European Patent Office Re.:					
		Application No. 99956781.1.					
	21	Communication Dated 24 March 2005 From the European Patent Office Re.:					
		Application No. 00908565.5.					
	22	Communication Dated 27 October 2005 From the European Patent Office Re.:					
	Application No. 00908565.5.						
	23	Communication Dated 27 October 2005 From the European Patent Office Re.:					
		Application No. 00908565.5.					
	24	Communication Dated 28 August 2006 From the European Patent Office Re.:					
		Application No. 00907262.0.					
	25	European Search Report and the European Search Opinion Dated 02 December					
		2008 From the European Patent Office Re.: Application No. 06004005.2.					
	26	European Search Report Dated 11 August 2004 From the European Patent Office					
		Re.: Application No. 04001482.					
	27	European Search Report Dated 27 October 2004 From the European Patent Office					
		Re.: Application No. 04018465.					
	28 Examiner's Report Dated 18 April 2007 From the Australian Government, IP						
$-\mathbf{V}$		Australia Re.: Application No. 2004201462.					
/M.D./	29	Examiner's Report Dated 30 November 2005 From the Australian Government, 1P					
	l	Australia Re.: Application No. 2004201431.					
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DIBRINO, MARIANNE NMN

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/M.D./  41 International Search Report Dated 29 February 2000 From the International Searching Authority Re.: Application No. PCT/US99/25451.									
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 May 02, 2006

 First Named Inventor
 YACOBY-ZEEVI Oron et al

 Art Unit
 1644

 Examiner Name
 DIBRINO, MARIANNE NMN

Sheet	1	5 Of	8	Attorney Docket Nun	nber	30337			
		OTHER PRIOR ART - N							
Examiner	Cite	Include name of the author (in C.							
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Sheet		7 Of 8 Attorney Docket Number 30337						
		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS						
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/M.D./	76	Chase et al. "Respiratory Mucous Secretions in Patients With Cystic Fibrosis: Relationship Between Levels of Highly Sulfated Mucin Component and Severity of the Disease", Clinica Chimica Acta, 132(2): 143-155, 1983. Abstract.						
	77 Chleboun et al. "The Development and Enhancement of the Collateral Circulation in An Animal Model of Lower Limb Ischaemia", The Australian and New Zealand Journal of Surgery, 64(3): 202-207, 1994. Abstract.							
	78	Clark "The Mammary Gland as A Bioreactor: Expression, Processing, and Production of Recombinant Proteins", Journal of Mammary Gland Biology and Neoplasia, 3(3): 337-350, 1998. Abstract.						
	79	Cowley et al. "Mucociliary Clearance in Cystic Fibrosis Knockout Mice Infected With Pseudomonas Aeruginosa", European Respiratory Journal, 10(10): 2312-2318, 1997.						
	80	Davies et al. "The Involvement of Cell-to-Cell Signals in the Development of A Bacterial Biofilm", Science, 280: 295-298, 1998. Abstract.						
	81	Freshney "Culture of Animal Cells", Wiley-VCH, 5th Ed.: 48-49, 2005. Abstract.						
	82	Graham et al. "Comparison of the Heparanase Enzymes From Mouse Melanoma Cells, Mouse Microphages, and Human Platelets", Biochemistry and Molecular Biology International, 39(3): 563-571, 1996. Abstract.						
	83	Haisma et al. "Construction and Characterization of A Fusion Protein of Single- Chain Anti-Carcinoma Antibody 323/A3 and Human Beta-Glucuronidase", Cancer Immunology, Immunotherapy, 45(5): 266-272, 1998.						
	84	Harlow et al. "Antibodies - A Laboratory Manual", Cold Spring Harbor Press, P. 471-510, 1988.						
/M.D./	85	Hayward et al. "Heparinase III Exerts Endothelial and Cardioprotective Effects in Feline Myocardial Ischemia-Reperfusion Injury", The Journal of Pharmacology and Experimental Therapeutics, 283(3): 1032-1038, 1997.						
	86	Official Action Dated 15 January 2006 From the Icroeli Potent Office.						
/M.D./ Marrow-Derived Stromal Progenitor Cells (Mesench Implications for Therapeutic Use", Bone Marrow Tra		Lazarus et al. "Ex Vivo Expansion and Subsequent Infusion of Human Bone Marrow-Derived Stromal Progenitor Cells (Mesenchymal Progenitor Cells): Implications for Therapeutic Use", Bone Marrow Transplantation, 16(4): 557-564, 1995. Abstract.						
/M.D./	88	Makrides "Strategies for Achieving High-Level Expression of Genes in Escherichia Coli", Microbiological Reviews, 60(3): 512-538, 1996.						
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Application Number	10/559,925				
Filing Date	May 02, 2006				
First Named Inventor	YACOBY-ZEEVI Oron et al				
Art Unit	1644				
Examiner Name	DIBRINO, MARIANNE NMN				

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/M.D./	90	Mettenleiter et al. "Interaction of Glycoprotein GIII With A Cellular Heparinlike Substance Mediates Adsorption of Pseudorabies Virus", Journal of Virology, XP002503372, 64(1); 278-286, January 1990. P.281, r-h Col., § 1, 2.							
/M.D./	91	Morel et al. "Human Neutrophil Gelitanase Is A Collagenase Type IV", Biochem. & Biophys. Res. Comm., 191: 269-274, 1993.							
/M.D./	92		vous System Inflam Immunology & Cell						
	93	Service "Tissue Engineers Build New Bone", Science, 289: 1498-1500, 2000.							
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